

### **SUMMARY OF CLAIMS**

Claims 1-62 are pending. Claims 33-57, 59-62 are withdrawn. Reconsideration is respectfully requested in light of the following remarks.

### **REMARKS**

There are ten groups of inventions identified by the Examiner and a restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-32 and 58, drawn to a method of identifying a drug discovery target, classified in class 424, subclass 9.2.
- II. Claims 33-53, drawn to a method of evaluating user-supplied data with a structured database to produce a profile model to analyze user-supplied data for assessing biological interactions, classified in class 703, subclass 011.
- III. Claim 54, drawn to a method for identifying a new use for a known therapy, classified in class 424, subclass 9.1.
- IV. Claim 55, drawn to a method for prioritizing candidate development compounds for further development, classified in class 424, subclass 9.2.
- V. Claim 56, drawn to a method for identifying disease related pathways, classified in class 424, subclass 9.1.
- VI. Claim 57, drawn to a method for identifying or validating a genotypic marker for a disease state, classified in class 424, subclass 9.1.
- VII. Claim 59, drawn to a method of conducting business that comprises receiving compensation from a customer in return for identifying a drug discovery target, classified in class 705, subclass 001.
- VIII. Claim 60, drawn to a drug discovery target by the method of claim 1, classified in class 424, subclass 184.1.
- IX. Claim 61, drawn to a method of drug discovery, classified in class 424, subclass 9.2.
- X. Claim 62, drawn to a drug candidate identified by the method of claim 61, classified in class 514, subclass 001.

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Applicants elect group I drawn to a method of identifying a drug discovery target. This election is made without traverse. The Applicants reserve the right pursuant to 35 U.S.C. §121 to file one or more divisional applications directed to the non-elected inventions/species during the pendency of the present application. Claims 1-32, and 58 encompass the elected invention.

Reconsideration is respectfully requested in light of the above election.

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### **CONCLUSION**

Applicant submits that this paper fully addresses the Office Action mailed September 20, 2007. Should the Examiner have any question, the Examiner is encouraged to telephone the undersigned attorney at (650) 565-3895.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit account No. 23-2415 (Attorney Docket No.:27763-705.501) for any matter in connection with this response, including any fee for extension of time, which may be required.

Respectfully submitted,

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